Polyethylene

Bormed™ LE6607-PH

Description

Bormed LE6607-PH is a resin intended for evaluation for use in Healthcare applications.

Bormed LE6607-PH is an additive free low density polyethylene typically used in blow moulding articles. Material is characterised with a balanced in flexibility to facilitate to collapsibility of containers. Bottles and ampoules made from Bormed LE6607-PH can be steam sterilised at maximum 110 °C. Products made from Bormed LE6607-PH can be sterilised by using ethylene oxide or radiation up to 35 kGy.

CAS-No. 9002-88-4

Applications

Bormed LE6607-PH has been evaluated according to different regulations and norms. Typical applications are mentioned below for Medical devices or Pharmaceutical & Diagnostic packaging. However, Borealis should be consulted for final approval to evaluate the use of Bormed LE6607-PH .

Bottles for irrigation solutions
Bottles for IV-solutions

Ampoules for injectable solutions

The customer should be aware that Bormed products may only be used in applications which are pre-approved for evaluation by Borealis received in the form of a risk assessment form (RAF) review response. Without such pre-approval, no use of the grade shall be made. In case of doubt, the customer should seek pre-approval for evaluation from Borealis to proceed through their Sales or technical contact. Borealis makes no warranties beyond what is contained in this product datasheet and the customer is responsible for reading and accepting the disclaimer as contained in this product datasheet.

Special Features

No additives

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Density	927 kg/m³	ISO 1183
Melt Flow Rate (190 °C/2,16 kg)	0,3 g/10min	ISO 1133
Flexural Modulus	290 MPa	ISO 178
Tensile Modulus (1 mm/min)	300 MPa	ISO 527-2
Tensile Strain at Break (50 mm/min)	350 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	12 MPa	ISO 527-2
Melting temperature (DSC)	114 °C	ISO 11357-3
Heat Deflection Temperature (0,45 MPa)	51 °C	ISO 75-2
Hardness, Shore D	52	ISO 868

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Processing Techniques
Following parameters should be used as guidelines:

Bormed LE6607-PH is easy to extrude and can be used in all conventional blow-moulding machines

Melt temperature	165 - 200 °C

Storage
Bormed LE6607-PH should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

Safety
The product is not classified as dangerous.Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative.

Recycling
The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

Related Documents
The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

"Safety data sheet" / "Product safety information sheet"
Statement on chemicals, regulations and standards
Statement on compliance to food contact regulations
Statement on compliance to regulations on medical use
Statement on BSE / TSE

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Disclaimer

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of any Borealis product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above.

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